BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :- PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32

5th AND FINAL BILL

CLIENT

EXECUTIVE ENGINEER

Bruhath Bengaluru Mahanagara Palike

(Byatarayanapura Division)

CONSULTANT:

BVH CONSULTING ENGINEERS

 # 41/2, 6TH MAIN ROAD JNANAJYOTHI NAGAR,
MALATHALLI, BANGALORE-560056
PHONE : 9964339888, LANDLINE:08023241948
EMAIL :mbnk2278@yahoo.com

BRUHAT BANGALORE MAHANAGARA PALIKE

FIFTH AND FINAL BILL

Job Code:007-16-000043

Name of Agency: Sri D.Narahari, Benaka Developers and Projects Pvt. Ltd,#34,2nd Floor,2nd Cross, Sampige road Malleshwaram Bangalore-560003

Name of Work: PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION

Item No	Description of Work	Unit	No.	L	B	D	Qty
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
	Desilting of Drains	Cum					
	Previous Quantity						
	1st RA Bill Quantity						2019.57
	2nd RA Bill Quantity						1286.79
	3rd RA Bill Quantity						4431.46
	4th RA Bill Quantity						1840.22
	TotalPaid Qty Upto 4th and Part Bill						**9578.04**
	Present Quantity						
	Mungurappa Layout Ward 07						
	5th cross						
	LHS						
	0-30		2	30.00	0.45	0.30	8.10
	30-60		2	30.00	0.45	0.30	8.10
	60-91.5		2	31.50	0.45	0.30	8.51
	RHS						
	0-30		2	30.00	0.45	0.25	6.75
	30-60		2	30.00	0.45	0.30	8.10
	60-96.6		2	31.50	0.45	0.30	8.51
	4th cross						
	LHS						
	0-30		2	30.00	0.45	0.30	8.10
	30-60		2	30.00	0.45	0.30	8.10
	60-91.5		2	36.60	0.45	0.30	9.88
	RHS						
	0-30		2	30.00	0.45	0.30	8.10
	30-60		2	30.00	0.45	0.30	8.10
	60-96.6		2	36.60	0.45	0.30	9.88
	3rd cross						
	LHS						
	0-30		2	30.00	0.45	0.25	6.75
	30-60		2	30.00	0.45	0.30	8.10
	60-94.5		2	34.50	0.45	0.30	9.32
	RHS						
	0-30		2	30.00	0.45	0.30	8.10
	30-60		2	30.00	0.45	0.25	6.75
	60-94.5		2	34.50	0.45	0.25	7.76
	2nd cross						
	LHS						
	0-30		2	30.00	0.45	0.30	8.10
	30-60		2	30.00	0.45	0.30	8.10
	60-68.8		2	8.80	0.45	0.30	2.38
	RHS						
	0-30		2	30.00	0.45	0.30	8.10
	30-60		2	30.00	0.45	0.30	8.10

181.79

ractor PMC CONSULTING ENGINEERS Bangalore Assistant Engineer Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara Palike Bangalore - 560 092 eer

Item No	Description of Work	Unit	No.	L	B	D	Qty
	60-74.8		2	14.80	0.45	0.30	4.00
	1st cross						
	LHS						
	0-30		2	30.00	0.45	0.30	8.10
	30-60		2	30.00	0.45	0.30	8.10
	60-73		2	13.00	0.45	0.30	3.51
	RHS						
	0-30		2	30.00	0.45	0.25	6.75
	30-60		2	30.00	0.45	0.25	6.75
	60-73		2	13.00	0.45	0.30	3.51
	Sahakar nagara MCEHS Layout 6th cross (G-Block)						
	Beside HDFC Bank LHS 0-30		1	30.00	0.50	0.30	4.50
	30-60		1	30.00	0.50	0.30	4.50
	60-78		1	18.00	0.50	0.30	2.70
	Kannuramma Temple Main Road and Surrounding Area, in Ward No 08						
	1st cross LHS						
	LHS 0-30		2.00	30.00	0.45	0.35	9.45
	30-60		2.00	30.00	0.45	0.35	9.45
	60-63		2.00	3.00	0.45	0.30	0.81
	RHS 0-30		2.00	30.00	0.45	0.35	9.45
	30-60		2.00	30.00	0.45	0.35	9.45
	60-63		2.00	3.00	0.45	0.35	0.95
	1st cross RHS						
	LHS 0-30		2.00	30.00	0.45	0.30	8.10
	30-60		2.00	30.00	0.45	0.35	9.45
	60-90		2.00	30.00	0.45	0.30	8.10
	90-94.5		2.00	4.50	0.45	0.35	1.42
	RHS 0-30		2.00	30.00	0.45	0.40	10.80
	30-60		2.00	30.00	0.45	0.30	8.10
	60-90		2.00	30.00	0.45	0.30	8.10
	90-94.5		2.00	4.50	0.45	0.35	1.42
	2nd cross road LHS						
	LHS 0-30		2.00	30.00	0.45	0.35	9.45
	30-60		2.00	30.00	0.45	0.35	9.45
	60-74		2.00	14.00	0.45	0.35	4.41
	RHS 0-30		2.00	30.00	0.45	0.30	8.10
	30-60		2.00	30.00	0.45	0.25	6.75
	60-74		2.00	14.00	0.45	0.30	3.78
	2nd cross road RHS						
	LHS 0-30		2.00	30.00	0.45	0.30	8.10
	30-60		2.00	30.00	0.45	0.30	8.10
	60-75		2.00	15.00	0.45	0.25	3.38
	RHS 0-30		2.00	30.00	0.45	0.30	8.10
	30-60		2.00	30.00	0.45	0.30	8.10
	60-75		2.00	15.00	0.45	0.35	4.73
	3rd cross LHS						
	LHS 0-30		2.00	30.00	0.45	0.35	9.45
	30-60		2.00	30.00	0.45	0.30	8.10
	60-66		2.00	3.50	0.45	0.35	1.10
	RHS 0-30		2.00	30.00	0.45	0.35	9.45
	30-60		2.00	30.00	0.45	0.25	6.75
	60-66		2.00	3.50	0.45	0.35	1.10
	3rd cross RHS						
	LHS 0-30		2.00	30.00	0.45	0.30	8.10
	30-60		2.00	30.00	0.45	0.30	8.10

282.07

Contractor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

Item No	Description of Work	Unit	No.	L	B	D	Qty
	60-79		2.00	19.00	0.45	0.35	5.99
	RHS 0-30		2.00	30.00	0.45	0.35	9.45
	30-60		2.00	30.00	0.45	0.35	9.45
	60-79		2.00	19.00	0.45	0.30	5.13
	4th cross LHS						
	LHS 0-30		2.00	30.00	0.45	0.25	6.75
	30-60		2.00	30.00	0.45	0.30	8.10
	60-62.5		2.00	2.50	0.45	0.30	0.68
	RHS 0-30		2.00	30.00	0.45	0.30	8.10
	30-60		2.00	30.00	0.45	0.30	8.10
	60-62.5		2.00	2.50	0.45	0.30	0.68
	Kannuramma Temple Main Road						
	LHS 0-30		2	30.00	0.45	0.35	9.45
	30-60		2	30.00	0.45	0.35	9.45
	60-77 Upto Culvert		2	17.00	0.45	0.35	5.36
	77-90		2	13.00	0.45	0.35	4.10
	90-120		2	30.00	0.45	0.35	9.45
	120-150		2	30.00	0.45	0.35	9.45
	150-180		2	30.00	0.45	0.35	9.45
	180-210		2	30.00	0.45	0.35	9.45
	RHS 0-30		2	25.00	0.45	0.30	6.75
	30-60		2	30.00	0.45	0.30	8.10
	60-77 Upto Culvert		2	17.00	0.45	0.30	4.59
	77-90		2	13.00	0.45	0.30	3.51
	90-120		2	30.00	0.45	0.30	8.10
	120-150 over burdon earth		2	30.00	0.45	0.30	8.10
	150-180		2	30.00	0.45	0.30	8.10
	180-210		2	30.00	0.45	0.30	8.10
	210-231		2	21.00	0.45	0.30	5.67
	Balaji Layout Ward No-08						
	Rajeev gandhi Nagar Main Road, Narayana Olympaid School						
	LHS 0-30		2	15.00	0.55	0.35	5.78
	30-45		2	15.00	0.55	0.40	6.60
	Over Burdon Soil 95-120		2	25.00	0.55	0.35	9.63
	120-150 over burdon soil		2	30.00	0.55	0.40	13.20
	150-180 over burdon soil		2	30.00	0.55	0.35	11.55
	180-210		2	30.00	0.55	0.45	14.85
	210-240		2	30.00	0.55	0.40	13.20
	Upto Culvert 240-265.7		2	25.70	0.55	0.40	11.31
	After Culvert 265.7-295.7		2	30.00	0.55	0.40	13.20
	295.7-325.7		2	30.00	0.55	0.40	13.20
	325.7-355.7		2	30.00	0.55	0.40	13.20
	upto culvert 355.7-374.2		2	18.50	0.55	0.30	6.11
	After Culver 374.2-387.1		2	30.00	0.55	0.30	9.90
	387.1-412		2	24.90	0.55	0.40	10.96
	412-416		2	4.00	0.55	0.40	1.76
	RHS 0-30		2	30.00	0.55	0.40	13.20
	30-40		2	10.00	0.55	0.40	4.40
	30-37.8		2	7.80	0.55	0.40	3.43
	95-120		2	25.00	0.55	0.30	8.25
	120-150		2	30.00	0.55	0.35	11.55
	150-180		2	30.00	0.55	0.35	11.55
	180-210		2	30.00	0.55	0.35	11.55
	210-240		2	30.00	0.55	0.35	11.55
	Upto Culvert 240-265.7		2	25.70	0.55	0.35	9.89
	After Culvert 265.7-295.7		2	30.00	0.55	0.35	11.55

440.98

actor PMC

CONSULTING ENGINEERS Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

Item No	Description of Work	Unit	No.	L	B	D	Qty
	295.7-325.7		2	30.00	0.55	0.35	11.55
	325.7-355.7		2	30.00	0.55	0.35	11.55
	upto culvert 355.7-374.2		2	18.50	0.55	0.35	7.12
	Excavation For Culvert						
	Culvert opposite to Shri Sai Tours and Travels Shop,RHS to Rajeev Gandhi Main Road Connecting to Balaji layout		1	7.00	1.95	0.80	10.92
	Culvert at 2nd Main road RHS to Rajeev Gandhi Main Road Connecting to Balaji layout		1	7.50	1.95	0.80	11.70
	Culvert at 3rd cross road Parallel to 2nd Main road RHS to Rajeev Gandhi Main Road Connecting to Balaji layout		1	7.00	1.95	0.80	10.92
	Culvert at junction of sushi recidency # 532 and Rajeev Gandhi Main Road Connecting to Balaji layout		1	6.70	1.95	0.80	10.45
	Culvert at 1st main road RHS to road Rajeev gandhi Main Connecting to Balaji layout		1	7.00	1.95	0.80	10.92
						85.13	999.97

	Total Executed Qty	**10568.01**
	Approved Modified Workslip Qty	**10452.92**
	Qty Limited to Modified Workslip Qty	**10452.92**
	1st RA Bill Quantity	-2019.57
	2nd RA Bill Quantity	-1286.79
	3rd RA Bill Quantity	-4431.46
	4th RA Bill Quantity	-1840.22
	Deduct Previous Total Qty Brought Forwarded From RA Bill 1,2,3&4	**-9578.04**
	Present Quantity	**874.88**

actor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pali
Bangalore - 560 092

Item No	Description of Work	Unit	No.	L	B	D	Qty
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
		Sqm					
	Previous Quantity						
	1st RA Bill Quantity						3037.81
	2nd RA Bill Quantity						1370.86
	3rd RA Bill Quantity						4987.80
	4th RA Bill Quantity						2980.56
	TotalPaid Qty Upto 4th and Part Bill						**12377.03**
	Present Quantity						
	Sahakar nagara MCEHS Layout 6th cross (G-Block) Beside HDFC Bank LHS						
	LHS 0-30		1	30.00	1.20		36.00
	30-63		1	33.00	1.20		39.60
	Munagurappa Layout w-07						
	BS Cover Slab						
	5th cross						
	LHS						
	30-60		1	20.00	1.20		24.00
	60-91.5		1	18.00	1.20		21.60
	RHS						
	0-30		1	22.00	1.20		26.40
	30-60		1	20.00	1.20		24.00
	60-96.6		1	20.00	1.20		24.00
	4th cross						
	LHS						
	0-30		1	25.00	1.20		30.00
	30-60		1	26.00	1.20		31.20
	60-91.5		1	26.00	1.20		31.20
	RHS						
	0-30		1	15.00	1.20		18.00
	30-60		1	24.00	1.20		28.80
	60-96.6		1	25.00	1.20		30.00
	3rd cross						
	LHS						
	0-30		1	20.00	1.20		24.00
	30-60		1	21.00	1.20		25.20
	60-94.5		1	18.00	1.20		21.60
	RHS						
	0-30		1	22.00	1.20		26.40
	30-60		1	25.00	1.20		30.00
	60-94.5		1	12.00	1.20		14.40
	1st cross						
	LHS						
	0-30		1	25.00	1.20		30.00
	30-60		1	25.00	1.20		30.00
	60-68.8		1	8.00	1.20		9.60
	RHS						
	0-30		1	26.00	1.20		31.20
	30-60		1	28.00	1.20		33.60
	60-74.8		1	10.00	1.20		12.00
	2nd cross						
	LHS						
	0-30		1	20.00	1.20		24.00
	30-60		1	20.00	1.20		24.00

700.80

actor PMC BVH CONSULTING ENGINEERS Bangalore Assistant Engineer Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara Pa Assistant Executive Engineer

Item No	Description of Work	Unit	No.	L	B	D	Qty
	60-73		1	10.00	1.20		12.00
	RHS						
	0-30		1	16.00	1.20		19.20
	30-60		1	20.00	1.20		24.00
	60-73		1	11.00	1.20		13.20
	BS Slab Drains						
	5th cross						
	LHS Ch 30.00-60.00 at bottom		1.00	8.00	0.45		3.60
	sides		2.00	8.00	0.50		8.00
	RHS Ch 0.00-30.00 at bottom		1.00	6.00	0.45		2.70
	sides		2.00	6.00	0.50		6.00
	RHS Ch 30.00-60.00 at bottom		1.00	6.50	0.45		2.93
	sides		2.00	6.50	0.50		6.50
	RHS Ch 60.00-91.50 at bottom		1.00	5.00	0.45		2.25
	sides		2.00	5.00	0.50		5.00
	4th cross						
	LHS Ch 0.00-30.00 at bottom		1.00	8.00	0.45		3.60
	sides		2.00	8.00	0.50		8.00
	RHS Ch 0.00-30.00 at bottom		1.00	18.00	0.45		8.10
	sides		2.00	18.00	0.50		18.00
	RHS Ch 30.00-60.00 at bottom		1.00	10.00	0.45		4.50
	sides		2.00	10.00	0.50		10.00
	3rd cross						
	LHS 30-60 Bottom		1	7.00	0.45		3.15
	Side		2	7.00	0.45		6.30
	RHS 0-30 Bottom		1	7.00	0.45		3.15
	Side		2	7.00	0.45		6.30
	30-60 Bottom		1	5.00	0.45		2.25
	Side		2	5.00	0.45		4.50
	Mungurappa Layout main road						
	LHS						
	0-30		1	24.00	1.20		28.80
	30-60		1	22.00	1.20		26.40
	60-90		1	26.00	1.20		31.20
	90-124		1	25.00	1.20		30.00
	RHS						
	0-30		1	20.00	1.20		24.00
	30-60		1	25.00	1.20		30.00
	60-90		1	26.00	1.20		31.20
	90-120		1	28.00	1.20		33.60
	120-138		1	18.00	1.20		21.60
	Kannuramma Temple Main Road and Surrounding Area, in Ward No 08						
	Bs Cover Slabs						
	1st cross LHS						
	LHS 0-30		1.00	10.00	1.20		12.00
	30-60		1.00	10.00	1.20		12.00
	60-63		1.00	8.00	1.20		9.60
	RHS 0-30		1.00	20.00	1.20		24.00
	30-60		1.00	25.00	1.20		30.00
	60-63		1.00	3.00	1.20		3.60
	1st cross RHS						
	LHS 0-30		1.00	15.00	1.20		18.00
	30-60		1.00	15.00	1.20		18.00
	60-90		1.00	30.00	1.20		36.00
	90-94.5		1.00	4.00	1.20		4.80
	RHS 0-30		1.00	27.00	1.20		32.40
	30-60		1.00	14.00	1.20		16.80

NDD DET(W3) 14/6/19

657.23

ractor PMC

CONSULTING ENGINEERS BVH Bangalore

Abhilash. N.D
Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pal
Bangalore - 560 092
Assistant Executive Engineer

Item No	Description of Work	Unit	No.	L	B	D	Qty
	60-85.5		1.00	20.00	1.20		24.00
	2nd cross road LHS						
	LHS 0-30		1.00	15.00	1.20		18.00
	30-60		1.00	15.00	1.20		18.00
	60-74		1.00	14.00	1.20		16.80
	RHS 0-30		1.00	16.00	1.20		19.20
	30-60		1.00	19.00	1.20		22.80
	60-74		1.00	10.00	1.20		12.00
	2nd cross road RHS						0.00
	LHS 30-60		1.00	15.00	1.20		18.00
	60-75		1.00	15.00	1.20		18.00
	RHS 0-30		1.00	7.00	1.20		8.40
	30-60		1.00	24.00	1.20		28.80
	60-75		1.00	15.00	1.20		18.00
	3rd cross LHS						
	LHS 0-30		1.00	21.00	1.20		25.20
	30-60		1.00	20.00	1.20		24.00
	60-66		1.00	18.00	1.20		21.60
	RHS 0-30		1.00	9.00	1.20		10.80
	30-60		1.00	20.00	1.20		24.00
	60-66		1.00	21.00	1.20		25.20
	3rd cross RHS						
	30-60		1.00	24.00	1.20		28.80
	60-79		1.00	3.60	1.20		4.32
	RHS 0-30		1.00	20.00	1.20		24.00
	30-60		1.00	21.00	1.20		25.20
	60-79		1.00	3.50	1.20		4.20
	4th cross LHS						
	LHS 0-30		1.00	16.00	1.20		19.20
	30-60		1.00	18.00	1.20		21.60
	60-62.5		1.00	3.00	1.20		3.60
	RHS 0-30		1.00	10.00	1.20		12.00
	30-60		1.00	20.00	1.20		24.00
	60-62.5		1.00	5.00	1.20		6.00
	4th cross RHS to kannuramma temple MR						
	0-30		2	25.00	0.90		45.00
	30-40		2	12.00	0.90		21.60
	Bs drain Slab						
	1st cross LHS						
	LHS 0-30 Bottom		1	6.00	0.45		2.70
	Side		2	6.00	0.45		5.40
	RHS 0-30 Bottom		1	6.00	0.45		2.70
	Side		2	6.00	0.45		5.40
	1st cross RHS						
	LHS 0-30 Bottom		1	8.00	0.45		3.60
	Side		2	8.00	0.45		7.20
	30-60 Bottom		1	10.00	0.45		4.50
	Side		2	10.00	0.45		9.00
	60-94.5 bottom		1	6.00	0.45		2.70
	Side		2	6.00	0.45		5.40
	RHS 0-30 Bottom		1	5.00	0.45		2.25
	Side		2	5.00	0.45		4.50
	30-60 Bottom		1	4.00	0.45		1.80
	Side		2	4.00	0.45		3.60
	60-94.5 bottom		1	3.60	0.45		1.62
	Side		2	3.60	0.45		3.24
	2nd cross road LHS						657.93

actor PMC

CONSULTING ENGINEERS * Bangalore *

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa
Bangalore - 560 092

Assistant Executive Engineer

Item No	Description of Work	Unit	No.	L	B	D	Qty
	LHS 0-30 Bottom		1	5.00	0.45		2.25
	Side		2	5.00	0.45		4.50
	30-60 Bottom		1	9.00	0.45		4.05
	Side		2	9.00	0.45		8.10
	RHS 0-30 Bottom		1	5.00	0.45		2.25
	Side		2	5.00	0.45		4.50
	2nd cross road RHS						
	LHS 0-30 Bottom		1	5.00	0.45		2.25
	Side		2	5.00	0.45		4.50
	30-60 Bottom		1	4.60	0.45		2.07
	Side		2	4.60	0.45		4.14
	60-75 bottom		1	7.00	0.45		3.15
	Side		2	7.00	0.45		6.30
	RHS 0-30 Bottom		1	4.00	0.45		1.80
	Side		2	4.00	0.45		3.60
	60-75 bottom		1	3.60	0.45		1.62
	Side		2	3.60	0.45		3.24
	3rd cross LHS						
	LHS 0-30 Bottom		1	5.00	0.45		2.25
	Side		2	5.00	0.45		4.50
	RHS 0-30 Bottom		1	5.00	0.45		2.25
	Side		2	5.00	0.45		4.50
	30-60 Bottom		1	3.60	0.45		1.62
	Side		2	3.60	0.45		3.24
	60-66 bottom		1	7.00	0.45		3.15
	Side		2	7.00	0.45		6.30
	3rd cross RHS						
	LHS 0-30 Bottom		1	8.00	0.45		3.60
	Side		2	8.00	0.45		7.20
	30-60 Bottom		1	8.60	0.45		3.87
	Side		2	8.60	0.45		7.74
	RHS 0-30 Bottom		1	6.00	0.45		2.70
	Side		2	6.00	0.45		5.40
	30-60 Bottom		1	10.00	0.45		4.50
	Side		2	10.00	0.45		9.00
	4th cross LHS						
	LHS 0-30 Bottom		1	4.00	0.45		1.80
	Side		2	4.00	0.45		3.60
	30-62.5 Bottom		1	4.00	0.45		1.80
	Side		2	4.00	0.45		3.60
	LHS 0-30 Bottom		1	3.00	0.45		1.35
	Side		2	3.00	0.45		2.70
	4th cross RHS to kannuramma temple MR						
	0-30 Bottom		1	25.00	0.45		11.25
	Sides		2	25.00	0.45		22.50
	30-40 Bottom		1	10.00	0.90		9.00
	Sides		2	10.00	0.90		18.00
	Kannuramma Temple Main Road Ward No 08						
	LHS 0-30 BS Cover Slab		1	24.00	0.90		21.60
	30-60		1	30.00	0.90		27.00
	60-76		1	16.00	0.90		14.40
	76-90		1	10.00	1.20		12.00
	90-120		1	21.50	1.20		25.80

306.54

actor PMC BVH CONSULTING ENGINEERS Bangalore

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Pa
Bangalore - 560 092

Item No	Description of Work	Unit	No.	L	B	D	Qty
	120-150		1	22.00	1.20		26.40
	150-180		1	24.00	1.20		28.80
	180-210		1	30.00	1.20		36.00
	RHS 0-30		1	26.00	0.90		23.40
	30-60		1	19.00	0.90		17.10
	60-90		1	20.00	1.20		24.00
	90-120		1	21.00	1.20		25.20
	120-150		1	23.00	1.20		27.60
	150-180		1	17.00	1.20		20.40
	180-210		1	30.00	1.20		36.00
	210-231		1	18.00	1.20		21.60
	Slab Drains						
	LHS 90-120 Bottom		1	10.00	0.45		4.50
	Side		2	10.00	0.45		9.00
	120-150Bottom		1	10.00	0.45		4.50
	Side		2	10.00	0.45		9.00
	170-200 bottom		1	10.00	0.45		4.50
	Side		2	10.00	0.45		9.00
	RHS 90-120 Bottom		1	6.00	0.45		2.70
	Side		2	6.00	0.45		5.40
	150-180 Bottom		1	9.00	0.45		4.05
	Side		2	9.00	0.45		8.10
	Balaji Layout w-08						
	Cover Slab						
	Rajeev Gandhi Main Road Connecting to Balaji layout W-08						
	LHS 0-30		1	22.00	1.20		26.40
	95-120		1	13.00	1.20		15.60
	120-150		1	19.00	1.20		22.80
	150-180		1	6.00	1.20		7.20
	After Culvert 265.7-295.7		1	30.00	1.20		36.00
	After Culver 374.2-404.2		1	20.00	1.20		24.00
	404.2-411		1	7.00	1.20		8.40
	RHS						
	95-120		1	5.00	1.20		6.00
	150-180		1	10.00	1.20		12.00
	180-210		1	9.00	1.20		10.80
	210-240		1	15.00	1.20		18.00
	upto culvert 240-265.7		1	11.00	1.20		13.20
	After Culvert 265.7-295.7		1	20.00	1.20		24.00
	BS Slab Drain						
	LHS Bottom 0-30		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 30-45		1	15.00	0.65		9.75
	sides		2	15.00	0.50		15.00
	Bottom 95-120		1	25.00	0.65		16.25
	sides		2	25.00	0.50		25.00
	Bottom 120-150		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 150-180		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 180-210		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 210-240		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Upto Culvert Bottom 240-265.7		1	25.00	0.65		16.25
	sides		2	25.00	0.50		25.00
	After Culvert Bottom 265.7-295.7		1	30.00	0.65		19.50

945 - 90

actor PMC

BVH CONSULTING ENGINEERS Bangalore

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Item No	Description of Work	Unit	No.	L	B	D	Qty
	sides		2	30.00	0.50		30.00
	Bottom 295.7-325.7		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 325.7-355.7		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	upto culver Bottom 355.7-374.2		1	18.50	0.65		12.03
	sides		2	18.50	0.50		18.50
	After Culver Bottom 374.2-387.1		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 387.1-412		1	24.90	0.65		16.19
	sides		2	24.90	0.50		24.90
	RHS Bottom 0-30		1	30.00	0.60		18.00
	sides		2	30.00	0.50		30.00
	Bottom 30-40		1	10.00	0.60		6.00
	sides		2	10.00	0.50		10.00
	Bottom 95-120		1	25.00	0.65		16.25
	sides		2	25.00	0.50		25.00
	Bottom 120-150		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 150-180		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 180-210		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Bottom 210-240		1	30.00	0.65		19.50
	sides		2	30.00	0.50		30.00
	Upto Culvert Bottom 240-265.7		1	23.00	0.65		14.95
	sides		2	23.00	0.50		23.00
	After Culvert Bottom 265.7-295.7		1	25.00	0.65		16.25
	sides		2	25.00	0.50	632.57	25.00
							3900.97
						Total Executed Qty	16278.00
						Approved Modified workslip QtySqm	16278.11
						1st RA Bill Quantity	-3037.81
						2nd RA Bill Quantity	-1370.86
						3rd RA Bill Quantity	-4987.80
						4th RA Bill Quantity	-2980.56
						Deduct Previous Total Qty Brought Forwarded From RA Bill 1,2,3&4	-12377.03
						Present Quantity`	3900.97

actor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa

m No	Description of Work	Unit	No.	L	B	D	Qty
3	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD PWD SR 2018-19)						
		Sqm					
	Previous Quantity						
	Drain Cover Slabs						
	Qty Brought Forwarded From 1st RA Bill						
	Sneha nagara, in ward No 07 - Byatarayanapura,						
	BS Slab Drain 2nd cross		1	6.50	1.20		7.80
			1	12.30	1.20		14.76
	2nd cross		1	1.50	0.90		1.35
	Qty Brought Forwarded From 1st RA Bill						**23.91**
	Jakkur Layout Colony, in ward No 07 -						
	BS cover Slab 1st A cross						
	Laxmamma Ganganna Nilaya Opposite		1.00	10.00	1.20		12.00
	Infront of Shri Anjeneya Krupa		1.00	15.00	0.90		13.50
	Nethaji Layout, in ward No 07 -						
	Muniswame Gouda Layout BS cover Slab						
	Infront of Shri Byraveshwara Nilaya No.		1.00	18.00	1.20		21.60
	Infront of House No 32 & 33		1.00	18.40	1.20		22.08
	LHS						
	Infront of House No 47		1.00	17.00	1.20		20.40
	Infront of Sri Srivasa Nilayam		1.00	4.80	1.20		5.76
	Infront of House near new borewell		1.00	8.60	0.90		7.74
	2nd Main Road RHS						
	Infront of Sapthagiri Nilaya		1.00	10.00	1.20		12.00
	Infront of Shri Shanthivasi Muneshwara		1.00	3.00	1.20		3.60
	Infront of Green Colour Building		1.00	5.60	1.20		6.72
	Infront of House No 16/A and 17/A		1.00	30.00	1.20		36.00
	Infront of Buchies Kitchen		1.00	8.00	1.20		9.60
	Amruthnagara, B- Sector near Amruthahalli new Police station in ward No 07 - Byatarayanapura						
	BS cover Slab 3rd main road RHS						
	Infront of Blue Colour Building		1.00	2.00	0.90		1.80
	Infront of Bhagya Laxmi Provision Stores		1.00	3.00	0.90		2.70
	Infront of Matha Pitra Krupa		1.00	4.00	1.20		4.80
	Infront of Yellow Colour Building		1.00	3.00	1.20		3.60
	Infront of Sri Venkateshwara Nilaya &		1.00	2.00	0.90		1.80
	LHS						
	Beside Hotel Swadista		1.00	3.00	0.90		2.70
	Infront of Euro Kids School		1.00	4.00	1.20		4.80
	Infront of Cream Colour Building		1.00	2.00	0.90		1.80
	Total Qty Brought Forwarded From 2nd RA Bill						**195.00**
	Qty Brought Forwarded From 3rd RA Bill						
	Sanjeevininagar in ward No 07 - Byatarayanapura						
	BS cover Slab						
	Sanjeevini Nagara						
	RHS Infront of Laxmi Nivas & Pink Colour Building		21.00		1.20		25.20
	LHS Infront of Yellow Colour Building & Orange Colour Building		12.00		1.20		14.40
	RHS Infront of Pista Green Colour Building		8.00		1.20		9.60
	LHS Infront of Light Yellow Colour		5.00		0.90		4.50

54

ractor PMC

CONSULTING ENGINEERS Bangalore BVH

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

No	Description of Work	Unit	No.	L	B	D	Qty
	30-60		1	30.00	6.17	0.04	7.40
	60-90		1	30.00	6.07	0.04	7.28
	90-120		1	30.00	5.93	0.04	7.12
	120-135		1	15.00	6.20	0.04	3.72
	135-136.80		1	1.80	6.85	0.04	0.49
	2nd cross road Devinagara						
	0-30		1	30.00	5.23	0.04	6.28
	30-40.60		1	10.60	5.55	0.04	2.35
	3rd cross road Devinagara						0.00
	0-30		1	30.00	4.57	0.04	5.48
	30-45		1	15.00	4.25	0.04	2.55
	45-53.9		1	8.90	4.40	0.04	1.57
	4th cross road RL Muneshwara Block						
	0-30		1	30.00	4.60	0.04	5.52
	30-60		1	30.00	4.93	0.04	5.92
	60-90		1	30.00	4.07	0.04	4.88
	90-93.2		1	3.20	4.75	0.04	0.61
	4th cross road RR Muneshwara Block						
	0-30		1	30.00	4.13	0.04	4.96
	30-60		1	30.00	4.10	0.04	4.92
	60-90		1	30.00	4.07	0.04	4.88
	90-105.70		1	15.70	4.05	0.04	2.54
	5th cross road Muneshwara Block						
	0-30		1	30.00	4.00	0.04	4.80
	30-60		1	30.00	4.53	0.04	5.44
	60-90		1	30.00	4.30	0.04	5.16
	90-99		1	9.00	4.00	0.04	1.44
	6th cross Road Muneshwara Block						0.00
	0-30		1	30.00	4.53	0.04	5.44
	30-42.90		1	12.90	4.65	0.04	2.40
	7th cross road Muneshwara Block						
	0-30		1	30.00	3.47	0.04	4.16
	30-60		1	30.00	2.93	0.04	3.52
	60-90		1	30.00	3.10	0.04	3.72
	90-105		1	15.00	3.10	0.04	1.86
	105-120		1	15.00	3.20	0.04	1.92
	120-133.6		1	13.60	3.75	0.04	2.04
	Kannuramma Temple Main Road and Surrounding Area, in Ward No 08 - Kodigehalli,						
	3rd cross road Lottegollahalli						
	0-30		1	30.00	4.50	0.04	5.40
	30-60		1	30.00	5.03	0.04	6.04
	60-90		1	30.00	5.10	0.04	6.12
	90-102.10		1	12.10	4.90	0.04	2.37
	Total Qty Brought Forwarded From 4th RA Bill						**565.95**
	Total Qty Brought Forwarded From RA Bills 1,2,3&4						**2555.31**
	Present Quantity						
	Bhavi Muneshwara Temple Main Road and						
	4th cross road Devinagar						
	0-30		1	30.00	4.40	0.04	5.28
	30-54		1	24.00	4.60	0.04	4.42

PMC

CONSULTING ENGINEERS Bangalore

Assistant Engineer

Assistant Executive Engine

Assistant Executive Engineer
Kodigehalli Sub Division

No	Description of Work	Unit	No.	L	B	D	Qty
	3rd Cross Devinagar						
			1	34.00	6.10	0.04	8.30
	Kannuramma Temple Main Road and						
	1st cross LHS						
	0-30		1	30.00	5.80	0.04	6.96
	30-60		1	30.00	5.70	0.04	6.84
	60-63		1	3.00	5.60	0.04	0.67
	1st cross RHS						
	0-30		1	30.00	5.35	0.04	6.42
	30-60		1	30.00	5.65	0.04	6.78
	60-90		1	30.00	5.25	0.04	6.30
	90-94.5		1	4.50	4.50	0.04	0.81
	2nd cross road LHS						
	0-30		1	30.00	5.75	0.04	6.90
	30-60		1	30.00	5.85	0.04	7.02
	60-74		1	14.00	5.95	0.04	3.33
	2nd cross road RHS						
	0-30		1	30.00	5.25	0.04	6.30
	30-60		1	30.00	5.25	0.04	6.30
	60-75		1	15.00	5.10	0.04	3.06
	3rd cross LHS						
	Bell mouth 0-2.5		1	2.50	6.50	0.04	0.65
	0-30		1	30.00	5.75	0.04	6.90
	30-60		1	30.00	5.05	0.04	6.06
	60-63.5		1	3.50	5.00	0.04	0.70
	3rd cross RHS						
	0-30		1	30.00	4.40	0.04	5.28
	30-60		1	30.00	4.35	0.04	5.22
	60-79		1	19.00	4.70	0.04	3.57
	4th cross LHS						
	0-30		1	30.00	5.60	0.04	6.72
	30-60		1	30.00	5.80	0.04	6.96
	60-62.5		1	2.50	5.20	0.04	0.52
	4th Cross Road RHS to kannuramma temple main road						
	0-30		1	30.00	5.00	0.04	6.00
	30-40		1	30.00	5.00	0.04	6.00
	1ST cross CP Layout		1	35.00	4.50	0.04	6.30
	Kannuramma Temple Main Road						
	Infront of Kannuramma Temple Main Gate		1	13.50	11.60	0.04	6.26
	0-30		1	30.00	6.50	0.04	7.80
	30-60		1	30.00	6.50	0.04	7.80
	60-77 Upto Culvert		1	17.00	6.50	0.04	4.42
	77-90		1	13.00	6.50	0.04	3.38
	90-120		1	30.00	6.50	0.04	7.80
	120-150		1	30.00	6.35	0.04	7.62
	150-180		1	30.00	6.10	0.04	7.32
	180-210		1	30.00	6.10	0.04	7.32
	210-224		1	14.00	6.10	0.04	3.42
	Munagurappa Layout ward no-07						
	Main Road						
	0-30		1	30.00	5.47	0.04	6.56
	30-60		1	30.00	5.27	0.04	6.32
	60-75.5		1	15.50	5.85	0.04	3.63

216.52

PMC

CONSULTING ENGINEERS Bangalore

Assistant Engineer

Assistant Executive Engineer

Kodigehalli

Bruhat Bangalore

Description of Work	Unit	No.	L	B	D	Qty
1 Cross Road						
0-30		1	30.00	4.36	0.04	5.23
30-60		1	30.00	4.56	0.04	5.47
60-75		1	15.00	4.73	0.04	2.84
2nd Cross Road						
0-30		1	30.00	4.06	0.04	4.87
30-60		1	30.00	4.33	0.04	5.20
60-74		1	14.00	4.50	0.04	2.52
3rd cross road						
0-30		1	30.00	5.00	0.04	6.00
30-60		1	30.00	5.17	0.04	6.20
60-90		1	30.00	5.33	0.04	6.40
90-114		1	24.00	5.75	0.04	5.52
4th cross road						
0-30		1	30.00	5.17	0.04	6.20
30-60		1	30.00	5.40	0.04	6.48
60-90		1	30.00	4.87	0.04	5.84
90-98		1	8.00	5.20	0.04	1.66
5th cross road						
0-30		1	30.00	5.90	0.04	7.08
30-60		1	30.00	5.10	0.04	6.12
60-90		1	30.00	5.10	0.04	6.12
90-95		1	5.00	5.05	0.04	1.01
Sahakar G Block Ward No-07						
Jodidar House Road						
0-30		1	30.00	9.47	0.04	11.36
30-60		1	30.00	9.10	0.04	10.92
60-90		1	30.00	9.67	0.04	11.60
90-120		1	30.00	9.17	0.04	11.00
Hoysala Appartment Road						
0-30		1	30.00	5.10	0.04	6.12
30-60		1	30.00	4.73	0.04	5.68
60-90		1	30.00	4.67	0.04	5.60
90-98.70		1	8.70	4.45	0.04	1.55
Vishwesharayya 2nd cross Sahakara Nagara near HDFC Bank						
0-30		1	30.00	6.60	0.04	7.92
30-42.40		1	12.40	6.45	0.04	3.20
Balaji Layout w-08						
Rajeev Gandhi Nagar Main Road Narayana Olympaid School						
0-38		1	38.00	4.90	0.04	7.45
88-120		1	32.00	5.27	0.04	6.75
120-150		1	30.00	5.30	0.04	6.36
150-180		1	25.00	4.95	0.04	4.95
180-210		1	30.00	4.90	0.04	5.88
210-240		1	30.00	4.90	0.04	5.88
Upto Culvert 240-265.7		1	25.70	5.70	0.04	5.86
Culvert Approach		2	6.40	~~0.08~~ 1.60	0.04	1.02
After Culvert 265.7-295.7		1	30.00	5.85	0.04	7.02
295.7-325.7		1	30.00	4.90	0.04	5.88
325.7-355.7		1	30.00	4.90	0.04	5.88
Upto Culvert 355.7-374.2		1	18.50	4.90	0.04	3.63
After Culver 374.2-404.2		1	30.00	4.55	0.04	5.46
404.2-416		1	11.80	4.60	0.04	2.17

239.90

PMC

CONSULTING ENGINEERS * BLVH Bangalore

Assistant Engineer

Assistant Executive Engineer

No	Description of Work	Unit	No.	L	B	D	Qty
	Sushi Residency #532 Building Road, Rajeev gandhi nagar						
	0-30		1	30.00	6.10	0.04	7.32
	30-60		1	30.00	6.10	0.04	7.32
	60-77		1	17.00	6.10	0.04	4.15
	16th cross,13th main Sahakarnagar						
	Bell Mouth		1	2.00	13.00	0.04	1.04
	0-30		1	30.00	7.60	0.04	9.12
	30-60		1	30.00	7.60	0.04	9.12
	60-90		1	30.00	7.60	0.04	9.12
	90-120		1	30.00	7.60	0.04	9.12
	120-150		1	30.00	7.70	0.04	9.24
	150-180		1	30.00	7.70	0.04	9.24
	180-194		1	14.00	7.70	0.04	4.31
						79.10	545.22
						Total Executed Qty Cum	3100.53
						Modified Workslip Qty Cum	3100.63
						1st RA Bill Quantity	-491.08
						2nd RA Bill Quantity	-357.24
						3rd RA Bill Quantity	-1141.04
						4th RA Bill Quantity	-565.95
						Qty Brought Forwarded From Bill 1,2,3&4	-2555.31
						Present Quantity	545.22

6/3/2020

PMC

CONSULTING ENGINEERS Bangalore

Assistant Engineer

Assistant Executive Engineer

Bruhat Bangalore M... Bangalore - 56...

NAME OF WORK : PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION

Item No	Description of Work	Unit	No.	L	B	D	Qty	Remark
75	KSRB 4.9.1: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 with all lead and lift , loading and unloading and allother incidental charges etc.,							

STEEL CALCULATION

Sl No	Discription	Dia in mm	Spacing of bar	Nos	Cutting length of Bar	Total length of bar	Weight/m in Kgs	Total Wt of Kgs
1	**FOOTING MAT**							
	RO Plant near Angala Parameshwari Temple							
		16		64	1.50	96.00	1.58	151.54
	Bangalore one at Sahakarnagar playground							
	Footing Mat	12	115	156	1.75	273.00	0.89	242.40
2	**PLINTH BEAM**							
	RO Plant near Angala Parameshwari Temple							
	Plinth Beam	16		4	18.40	73.60	1.58	116.18
	Stirrups for plinth beam	8	250	74	0.80	59.20	0.39	23.36
	Stirrups for plinth beam	8	250	74	0.70	51.80	0.39	20.44
	Bangalore one at Sahakarnagar playground							
	Plinth Beam	12		4	9.59	38.36	0.89	168.74
	Plinth Beam	16		4	9.59	38.36	1.58	60.55
	Plinth Beam	12		6	6.43	38.58	0.89	34.26
	Plinth Beam	16		6	6.43	38.58	1.58	60.90
	Stirups for Plinth Beam	8	180	202	1.28	258.56	0.39	83.08
3	**COLUMN**							
	RO Plant near Angala Parameshwari Temple							
		16		24	2.10	50.40	1.58	79.56

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Rural Division
Bangalore

Sl No	Discription	Dia in mm	Spacing of bar	Nos	Cutting length of Bar	Total length of bar	Weight/m in Kgs	Total Wt of Kgs
	Stirrups for column	8	250	44	0.92	40.48	0.39	15.97
	Bangalore one at Sahakarnagar playground							
	Column	16		36	6.50	234.00	1.58	369.38
	Stirups for Column	8	150	248	1.20	297.60	0.39	117.44
	Bangalore one at WARD-8 office Kodigehalli							
	Column- 200*450 mm, 2Nos	16		12	4.40	52.80	1.58	83.35
	stirrups -200*450mm column	8	150	60	1.14	68.40	0.39	26.99
	C- Hook for 200*450 mm column	8	150	60	0.13	7.80	0.39	3.08
	Column -200*600 mm, 4 nos	16		40	4.40	176.00	1.58	277.82
	master stirrups - 200*600mm column	8	150	120	1.14	136.80	0.39	53.99
	Center stirrups - 200*600mm column	8	150	36	1.14	41.04	0.39	16.20
	C- Hook for 200*600 mm column	8	150	120	0.13	15.60	0.39	6.16
4	**LINTEL**							
	Bangalore one at Sahakarnagar playground							
	Lintel	12	100	16	2.05	32.80	0.89	29.12
	Stirups for Lintel	8	180	48	0.90	43.20	0.39	17.05
	Lintel For Door	12		4	4.70	18.80	0.89	16.69
	Stirups for Lintel (Door)	8	180	27	0.90	24.30	0.39	9.59
	Bangalore one at WARD-8 office Kodigehalli							
	Lintel	12		16	2.05	32.80	0.89	29.12
	Stirups for Lintel	8	180	48	0.90	43.20	0.39	17.05
	Lintel For Door	12		4	1.58	6.30	0.89	5.60
	Stirups for Lintel (Door)	8	180	10	0.90	9.00	0.39	3.55
5	**CHAJJA**							
	Bangalore one at Sahakarnagar playground							
	Chejja Main Bars	12	180	44	1.06	46.64	0.89	41.41
	Chejja Distribution Bars	8	180	12	1.75	21.00	0.39	8.29
	Bangalore one at WARD-8 office Kodigehalli							
	Chejja Main Bars	12	180	9	1.15	10.35	0.89	9.19
	Chejja Distribution Bars	8	180	4	1.45	5.80	0.39	2.29

Approved N.O.D

BY CONSULTING ENGINEERS Bangalore

Assistant Engineer

Sl No	Discription	Dia in mm	Spacing of bar	Nos	Cutting length of Bar	Total length of bar	Weight/m in Kgs	Total Wt of Kgs
6	**ROOF BEAM**							
	Bangalore one at Sahakarnagar playground							
	Roof Beam on External Walls Long span	16		8	9.65	77.20	1.58	121.86
	Roof Beam on External Walls Short span	16		8	5.75	46.00	1.58	72.61
		16		12	2.40	28.80	1.58	45.46
	Roof Beam for Center Span	16	150	5	6.13	30.63	1.58	48.34
	Stirups for Beam on External Walls	8	150	172	1.20	206.40	0.39	81.45
	Stirups for Center Span Beam	8	250	20	1.20	24.00	0.39	9.47
	Bangalore one at WARD-8 office Kodigehalli							
	B1-230*600							
	Roof Beam B1-230*600mm	16		15	7.85	117.75	1.58	185.87
	Top bars for Roof Beam	16		24	2.23	53.52	1.58	84.48
	stirrups - B1 200*600mm	8	150	132	0.90	118.80	0.39	46.88
	B2-200*600							
	Roof Beam B1-200*600mm	16		10	11.85	118.50	1.58	187.06
	Top bars for Roof Beam	16		24	2.23	53.52	1.58	84.48
	stirrups - B2 ,200*600mm	8	150	140	1.56	218.40	0.39	86.19
7	**ROOF SLAB**							
	Bangalore one at Sahakarnagar playground							
	Slab Main Bars	8	125	47	6.35	298.45	0.39	117.78
		10	150	39	2.40	93.60	0.62	57.72
		10	150	191	1.10	210.10	0.62	129.55
	Slab Distribution Bars	10	125	47	9.65	453.55	0.62	279.67
		8	200	39	5.75	224.25	0.39	88.50
		8	200	12	9.05	108.6	0.39	42.86
		8	200	12	1.10	13.20	0.39	5.21
	Chairs for slab	10		24	1.11	26.64	0.62	16.43

N.D

BVH CONSULTING ENGINEERS Bangalore

Sl No	Discription	Dia in mm	Spacing of bar	Nos	Cutting length of Bar	Total length of bar	Weight/m in Kgs	Total Wt of Kgs
	Bangalore one at WARD-8 office Kodigehalli							
	Short Bar-Y10 @ 125mm C/C	10	125	45	4.41	198.45	0.62	122.37
	Long Bar-Y10 @ 150mm C/C	10	150	38	8.81	334.78	0.62	206.43
	Dist Bar-Y8 @ 150mm C/C	8	150	20	11.25	225.00	0.39	88.79
	Short Bar-Y10 @ 150 mm C/C	10	150	50	1.71	85.50	0.62	52.72
	Long Bar-Y8 @ 150mm C/C	8	150	9	7.25	65.25	0.39	25.75
	Short Bar-Y10 @ 150 mm C/C	10	150	50	3.21	160.50	0.62	98.97
	Long Bar-Y8 @ 150mm	8	150	21	7.25	152.25	0.39	60.08
	Short Bar-Y10 @ 125mm C/C	10	125	45	7.11	319.95	0.62	197.29
	Long Bar-Y10 @ 150mm C/C	10	150	36	8.81	317.16	0.62	195.57
	Dist Bar-Y8 @ 150mm C/C	8	150	12	11.25	135.00	0.39	53.28
	Dist Bar-Y8 @ 150mm C/C	8	150	10	7.25	72.50	0.39	28.61
	Short Bar-Y10 @ 150 mm C/C	10	150	50	3.21	160.50	0.62	98.97
	Long Bar-Y8 @ 150mm C/C	8	150	20	7.25	145.00	0.39	57.22
	Short Bar-Y10 @ 150 mm C/C	10	150	76	3.60	273.60	0.62	168.71
	Long Bar-Y8 @ 150mm C/C	8	150	20	11.25	225.00	0.39	88.79
	Short Bar-Y10 @ 150 mm C/C	10	150	76	3.21	243.96	0.62	150.43
	Long Bar-Y8 @ 150mm C/C	8	150	11	11.25	123.75	0.39	48.84
							Kgs	**5735.03**
				TOTAL QUANTITY			**MT**	**5.74**

NDD 3/10/19

3/10/19

Assistant
Kodigehalli
Bruhat Bangalore
Ban

M.N.D

CONSULTING ENGINEERS bangalore